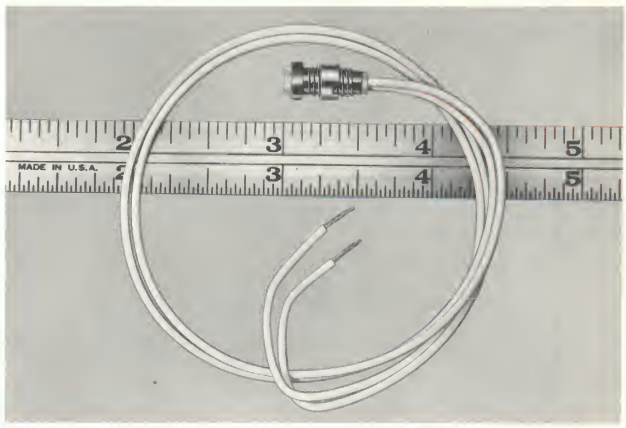
SUBMINIATURE DISPLAY LITE

WITH INCANDESCENT OR NEON LAMP

SDL Series



This extremely small indicator lite mounts on 1/4 inch centers horizontally and vertically. It uses either the rugged T-1 type incandescent lamp that has a design life as high as 100,000 hours or a 5000 hr. + T-1 neon lamp.

APPLICATION: Any situation where panel space and back panel space are limited or where indications should intentionally be small, as for decimal points. Other uses: for location above and below toggle switches to indicate switch position and for verifying settings of relays, solenoids, etc.

Miniature size, full range of lens colors, choice of wire lead or connector hookup and low heat dissipation make this compact lite ideal for small information display panels and displays requiring many indicators.

LAMP SPECIFICATIONS, T-1 Bulb Size

INCANDESCENT				
LAMP TYPE	RATED VOLTS	RATED AMPS	MFGR. APPROX. C. P. RATING	AVER. LIFE (HOURS)
2128	3	.010 - .015	.0005	100,000+
72	3	.060	.03 Nom	100,000
76	3	.120	.15 Nom	16,000
680	5	.060	.032 ± 25%	100,000+
683	5	.060	.053 ± 25%	100,000+
713	5	.075	.09 ± 15%	25,000
715	5	.115	.147 ± 25%	40,000+
74	10	.027	.10 Nom	10,000
66	12	.060	.15 ± 25%	16,000+
75	18	.026	.15 Nom	10,000
62	28	.024	.15 ± 25%	16,000+

NEON			
LAMP TYPE	LIFE*	FIRING VOLT.	DESIGN CUR.*
95	5000 Hrs. +	100 VAC Max.	.7 MA Max.

*Average useful life and current rating are based on a 100K ohm 1/4 watt resistor in series with the lamp, used across 115 VAC.

OPTIONAL FEATURES

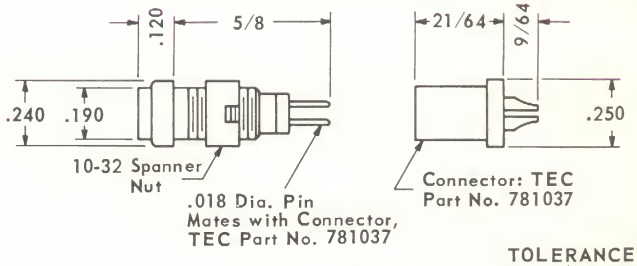
Special Lens provides white "off", colored "on" indication by use of a color filter behind the lens.

Special Wire Leads including color coded wire, special lengths or special stripping as well as soldered-on terminals at the ends of the leads can be provided. Specify your special lens or wire lead requirements in detail on special order.

SPECIFICATIONS

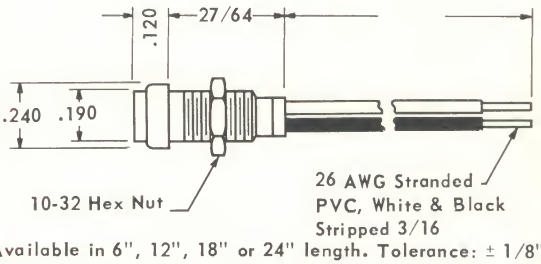
See reverse side for electrical and mechanical specifications.

SDL-A SERIES



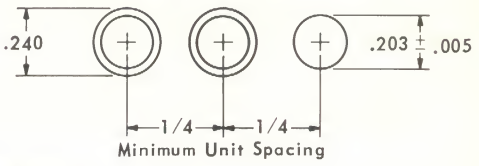
SDL-B SERIES

TOLERANCE:
Dec. ± .010
Frac. ± 1/32



*Available in 6", 12", 18" or 24" length. Tolerance: ± 1/8"

MOUNTING HOLE DIMENSIONS



MODEL NUMBER CODING . . . Specify Fully When Ordering

SDL-XXX-X-XXX

TERMINAL OPTION:
A–Connector Assembly
B–Wire Leads

LEAD LENGTH: (± 1/8")
A– 6" C–18"
B–12" D–24"

LAMP TYPE:
62 66 72 74
75 76 680 683
713 715 2128 95 (Neon)

BODY COLOR AND NUT TYPE:
A–Clear Anodized with spanner nut
B–Black Anodized with spanner nut
C–Clear Anodized with hex nut
D–Black Anodized with hex nut

LENS COLOR:
1. Translucent Red
2. Transparent Red
3. Transparent Amber
4. Translucent Yellow
5. Translucent Green*
6. Translucent Blue*
7. Clear
8. Transparent White
9. Translucent White
11. Translucent Orange
12. Transparent Green*
13. Transparent Blue*
14. Transparent Yellow

*Not recommended for Neon Lamps

EXAMPLE:
SDL-BAA-1-680
Subminiature Display Lite: Wire Leads; clear anodized body with spanner nut; 6" wire lead length; translucent red lens; 680 incandescent lamp.

All Specifications Subject to Change Without Notice

TEC LITE INDICATING DEVICES

Transistor Electronics Corporation

TELEPHONE (612) 941-1100
BOX 6191 MINNEAPOLIS, MINN. 55424
TELETYPE 910-576-2860

LOCATED ON COUNTY ROAD 18 • 1½ MILE NO. OF HWY. 494

481 6-66K

PRINTED IN U.S.A.

SUBMINIATURE DISPLAY LITE
WITH INCANDESCENT OR NEON LAMP

SPECIFICATIONS

MECHANICAL

Dimensions: See outline drawing.

Mounting: SDL Series mounts from the front with a 10-32 spanner nut in a 13/64 hole on centers as close as 1/4 inch (mounts on 5/16 inch centers when 10-32 hex nut is used). Designed to fit panels up to 3/16 inches thick. Note: Use TEC wrench, Part No. 141085 to tighten spanner nuts. Lockwashers may be used, but their larger diameter will increase center to center mounting dimensions. If locking is necessary, "Glyptol" or equivalent may be used.

Lens: Flat top lenses in 13 colors available. See ordering information.

Body: Aluminum in black or clear anodized colors. Other colors and finishes including iridite available on special order.

Terminals (for SDL-A Series): Two .018" diameter gold plated pins for insertion in female connector, TEC part number 781037.

Connector (for SDL-A Series): TEC part number 781037 for use with .018" diameter terminals described above. Nylon body with solder cups provided for .016" to .019" diameter leads.

Wire Leads (for SDL-B Series): 26 AWG, Stranded, PVC, Nylon coated. One white lead, one black lead. Leads are available in four lengths: 6", 12", 18", or 24" (tolerance: ± 1/8"). Stripped 3/16", standard.

Temperature Range: Operating and storage, −40°C to +65°C at 95% humidity, maximum.

ELECTRICAL

Lamp: Permanently mounted subminiature incandescent or neon, bulb size T-1. See lamp table on reverse side for electrical specifications of lamps available.

MATERIALS SPECIFICATIONS *

Lens: Acetate butyrate plastic.

Body: Aluminum with anodized finish.

Nut (hex or spanner): Cadmium plated brass.

Terminals (.018" diameter pins for SDL-A Series): Beryllium copper with gold finish.

Connector (for SDL-A Series): Receptacles, brass with gold finish.

*Certificates of Compliance and Government Source Inspection Available.

All Specifications Subject to Change Without Notice

TEC LITE
INDICATING DEVICES

Transistor Electronics Corporation

TELEPHONE (612) 941-1100 | BOX 6191 MINNEAPOLIS, MINN. 55424 | TELETYPE 910-576-2860

LOCATED ON COUNTY ROAD 18 • 1½ MILE NO. OF HWY. 494